



UNITED STATES PATENT AND TRADEMARK OFFICE

Pen
UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|--|-------------|----------------------|--------------------------|------------------|
| 10/699,864 | 11/03/2003 | Jae-Sun Park | 1235-3 | 5142 |
| 28249 7590 04/11/2007 DILWORTH & BARRESE, LLP 333 EARLE OVINGTON BLVD. SUITE 702 UNIONDALE, NY 11553 | | | EXAMINER MISKA, VIT W | |
| | | | ART UNIT 2833 | PAPER NUMBER |
| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE | | |
| 3 MONTHS | 04/11/2007 | PAPER | | |

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/699,864

Applicant(s)

PARK, JAE-SUN

Examiner

Vit W. Miska

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 December 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-13 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 7 and 8 is/are allowed.
- 6) ☒ Claim(s) 1-6,9-13 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-4 and 9-10 rejected under 35 U.S.C. 103(a) as being unpatentable over Masaki in view of Allgaier et al. With respect to claims 1-6, Masaki discloses an apparatus for adjusting the time of analog watch in a terminal having the analog watch, comprising: an analog watch unit, comprising an oscillation circuit 101 for generating a standard signal with a predetermined frequency; a division circuit 102 for dividing the standard signal by a predetermined division ratio according to a control signal 105 and generating a divided signal "divided signal", Fig. 1), a driving circuit for generating a driving signal according to the divided signal (see col. 3, line 32); and a step motor 205 driven by the driving signal, for moving the elements of the analog watch; and a control unit 105, 106 for providing the control signal to the division circuit of the analog watch unit when a predetermined time adjustment manipulation is inputted from an adjustment

key (crown), and for checking with circuit 106 an input state of the time adjustment key manipulation in a time adjustment mode and controlling an operational state of the driving circuit as shown in Fig. 3, steps S301-308, the division circuit dividing the standard signal into one of a predetermined frequency of a general time indication mode "divided signal" to 103, and a predetermined frequency of a time adjustment mode "divided signal" to 107, according to the control signal.

2. Masaki does not suggest use of the device for performing mobile communication functions. However, the use of an analog type watch with a mobile communication function is conventional, as shown by Allgaier et al. Therefore, it would be obvious for one skilled in the art to provide a mobile communication function in Masaki, as suggested by Allgaier et al, in order to correct the timepiece by means of external signals, thus obviating the need for user setting.

1. With respect to claims 9-10, Masaki discloses a method for adjusting the time of analog watch in a terminal having the analog watch, comprising the steps of: selecting a time adjustment menu with the crown for which the control unit operates in a time adjustment mode as shown in the steps of Fig 3, checking an input state (with circuit 106) of a predetermined time adjustment key (crown) in a time adjustment mode; determining whether a key input is one set for time adjustment at steps S401-403 in

Fig. 4, determining whether a duration time is greater than 6 seconds at step S407, and moving the hands of the analog watch faster than in a general time indication according to the input state of the time adjustment key (by means of signal from 107 to 103), wherein the input state is at least one of the number of times the time adjustment key is pressed and the duration (see Fig. 3, S301-S303), wherein the hands of the analog watch are moved according to one of a predetermined unit and continuously according to the input state (S305-308).

2. Claims 11-13 are rejected under 35 U.S.C. 103(a) as being unpatentable over Kawaguchi et al (5016231) in view of Allgaier et al. Kawaguchi et al disclose a method for adjusting the time of analog watch in a terminal having the analog watch, comprising the steps of inputting a current time at step 592 (Fig. 19a) using keys 22-24 of a keypad of a user interface, and a desired time (Step 536) in a time adjustment mode, calculating a difference between the current time and the desired time at step 538; controlling operations of a division circuit 220 and a driving circuit 221-225 to provide a required number of clocks to step motors 213-216, and moving hands of the analog watch faster than in a general time mode to adjust the time using the step motor, by generating clock pulses and controlling the frequency thereof (Step 540) corresponding to the calculated difference.

3. Kawaguchi et al do not suggest use of the device for performing mobile communication functions. However, the use of an analog type watch with a mobile communication function is conventional, as shown by Allgaier et al. Therefore, it would be obvious for one skilled in the art to provide a mobile communication function in Kawaguchi et al, as suggested by Allgaier et al, in order to correct the timepiece by means of external signals, thus obviating the need for user setting.

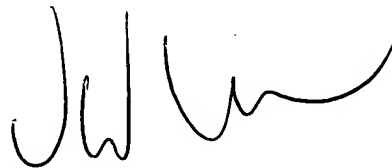
3. Claims 7-8 are allowed.

Applicant's comments have been given careful consideration, but have not been found persuasive in view of the new grounds of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vit W. Miska whose telephone number is 571-272-2108. The examiner can normally be reached on M-F 9-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, P. Bradley can be reached on 571-272-2001. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Vit W. Miska
Primary Examiner
Art Unit 2833

VM
4/2/2007